that the Government will be pleased to divide these gomal lands into two sections and allow grazing in rotation of one year each, and adopt measures to facilitate the better growth of grass. The expenses of management may be met from the *Hulbanni* amount of the villages. Seeds of improved varieties of grass may also be distributed among the villagers for experimental purposes.

Reply of Gorernment.—The Revenue Commissioner has power under Section 40 of the Land Revenue Code to issue rules in the matter. It will be referred to him for framing and issuing the necessary instructions. The raiyats should also co-operate in the matter.

SUBJECT No. 138.

The cattle way to gomals to be marked on Survey maps.

Messrs. Naranappa and Karigiriyappa, Dodballapur Taluk, and Puttanna, Dodballapur Municipality.

Summary of discussion.—Most of the batayi banjars which intervened between cultivable lands and gomals at the time of Survey have subsequently been taken for cultivation. Their cultivators often refuse passage for the cattle of their neighbouring cultivators to the gomals through their lands and this gives rise to disputes; the course of such passages may also be advantageously caused to be marked on the maps.

Reply of Government.—As the difficulty seems to be a real one, the Survey and the Revenue Commissioners will be requested to take steps to have the paths ascertained and marked out as far as possible.

SUBJECT No. 139.

Establishment of model farms and introduction of improved agricultural implements, etc.

Messrs. Shama Rao, Chiknage Gowda and Basappa, Mulbagal Taluk; H. V. Bhima Rao, Malur Taluk; M. R. Giriyappa, Ramanna Gowda and Y. Seshanna, Tirthahalli Taluk; K. Ramanuja Iyengar, Gubbi Taluk; and C. Srinivasa Rao, Chikmagalur Taluk.

Summary of discussion.—In matters of agriculture, we have still been following old methods. It is the general opinion that, by not adopting the western methods, such as employment of machinery, using scientific manure, etc., we have been incurring great loss. As our State has a separate Department of Agriculture, it is requested that the Government, through that Department, may establish model agricultural farms in all the taluk head-quarters, and show to the raiyats the use of machinery, scientific manure, etc.

In spite of the representations made, nothing practical has been done yet in the matter of establishing model farms. Request that Government will be pleased to do something substantial in the matter by establishing such farms in each taluk.

Appointment of Agricultural Inspectors.

Messrs. Amble Anniah Pandit, Yedatore Taluk, M. R. Giriyappa, Ramanna Gowda and Seshappa, Tirthahalli Taluk.

It is prayed that Agricultural Inspectors be appointed, one under each of the Assistant Commissioners in charge of taluks, so that such Inspectors may tour with the Assistant Commissioners when on circuit, and teach raiyats in big villages the use of English ploughs, the preparation of manure, the kind of manure to be used for a particular soil, the selection of seeds for sowing and such other details connected with agricultural operations. The Inspectors should teach these methods by lecturing to the raiyats as well as by practical demonstration.

Arrangements may be kindly made for a series of lectures to be delivered to the Representative Members by the Heads of the Agricultural, Education and other Departments soon after the Dasara meeting is over. In these lectures the improvements made in foreign countries in the different branches of learning as also the practical measures to be adopted for improving them in our country may be explained to the members. This will greatly help diffusion of knowledge into rural parts.

Agricultural Shows.

Messrs. B. Kesavaiengar and Kesavadasaiengar, Belur Taluk.

In January last, European and Native Planters held an Agricultural Show which was a great incentive to Malnad raiyats to improve agriculture. Such shows may therefore be held regularly at each district head-quarters.

English ploughs and supply of seed grains.

" Mr. Parameswaraiya, Mandya Taluk.

It is prayed that English ploughs be kept in each taluk and let out for hire, and that good seed also be supplied by Government, so that cultivation might be improved and famine mitigated to a certain extent. After the raiyats understand the use and benefit of these ploughs, they will themselves purchase them.

Supply of good seeds.

Messrs. B. Kesavaiengar, Kesavadasaiengar, Belur Taluk, and H. V. Bhima Rao, Malur Taluk.

Owing to want of good seed, inferior seed available on the spot is sown. Consequently the outturn is small and the raiyats grow poor. Good seeds of all kinds may therefore be ordered to be kept by Dr. Lehmann at Bangalore and supplied to the raiyats at cost price with a memo of instructions in the vernacular giving details as to the method of cultivation, or Government may be pleased to open seed depots under Government agency in each hobli to enable the raiyats to purchase the same at cost price.

Cattle Shows.

Messrs. B. Kesavaiengar and Kesavadasaiengar, Belur Taluk, and Anniah Pandit.

Arrangements may be made to hold cattle shows at district head-quarters. This is an incentive to good cattle breeding.

No very useful results may be expected if the starting of these demonstration farms and carrying on experiments for agricultural improvements is left to the people. They have not the requisite scientific knowledge. In each district there should be an officer trained under the Agricultural Chemist, who should go from place to place instructing people in agricultural knowledge and the latest methods of agricultural improvement.

Supply of improved agricultural implements to the raiyats by Government.

Mr. Chikka Guruva Reddi, Bangalore Taluk.

Improved ploughs, which can be worked without the use of oxen, piccotas and sugar-cane mills and such other cheap and modern agricultural implements manufactured in Calcutta may be obtained by Government and after training is given to the raiyats in the use of them in the office of the Agricultural Chemist, these implements may be supplied to the raiyats by Government and the cost thereof recovered in khists from

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them. If the Government will get these implements to me, I shall at my own cost maintain the Agricultural Improvement Farm of Government and encourage the raiyats to learn and improve.

Reply of Government.—Agricultural farms are of three kinds—Model, Experimental and Demonstration. A model farm for each district is out of the question, and is not of much use to the raiyats. There is an experimental farm at Hebbal. The object of an experimental farm is to test the value of agricultural methods and suggest improvements in cultivation and production. These experimental farms have necessarily to be in charge of scientific experts at a central place. It is difficult to manage them properly, if they are too numerous. In a demonstration farm the object is to demonstrate the value of certain methods found to be the most suitable after experiment. The question of establishing demonstration farms in each district and organizing district shows will be considered and a workable scheme formulated in connection with the proposals that are now before Government for establishing Agricultural Associations for each district.

SUBJECT No. 140.

Use of machinery for supplying water for irrigation purposes.

Mr. Lakshminarasimhachar, Chamrajnagar Taluk.

Summary of discussion.—Government have constructed irrigation works at a large outlay in all the taluks and are also spending a large sum every year for their maintenance. The raiyats also raise sugar-cane and other crops by spending large capital, but when the rains fail in any particular year, the amount spent by Government as well as by raiyats will become useless and the raiyats sustain severe loss. If at such times, arrangements be made as in foreign countries to supply water to lands by means of engines, it will be an invaluable help to agriculturists.

The raiyats in this country do not know the use of machinery. It is therefore prayed that an oil engine and water pump be kept in each taluk and water supplied to such of the raiyats as apply for the same by means of these pumps. After the raiyats understand the use of machinery, the raiyats themselves will purchase such pumps.

Facilities for irrigation by putting up water-lifts, etc.

Messrs. Krishnachar, Aswathaiya and Sanjive Gowda, Goribidnur Taluk.

Suggest that wherever springs can be tapped, wells may be dug by Government for irrigation purposes and water-lifts, etc., put up, levying suitable water rates.

Reply of Government.—If private individuals wish to get these engines, Government are prepared to help them in getting them and even advance loans for such purposes. The Revenue Commissioner has been asked to report on such applications, and to suggest some places where their installation may be advisable.